



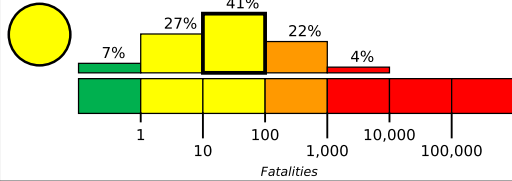
## M 5.9, 46 km SW of Khst, Afghanistan

Origin Time: 2022-06-21 20:54:36 UTC (Wed 01:24:36 local)

Location: 33.0924° N 69.5135° E Depth: 10.0 km

Created: 2 hours, 4 minutes after earthquake

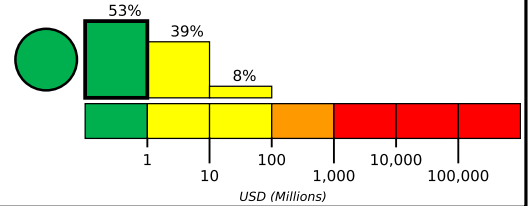
### Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

### Estimated Economic Losses

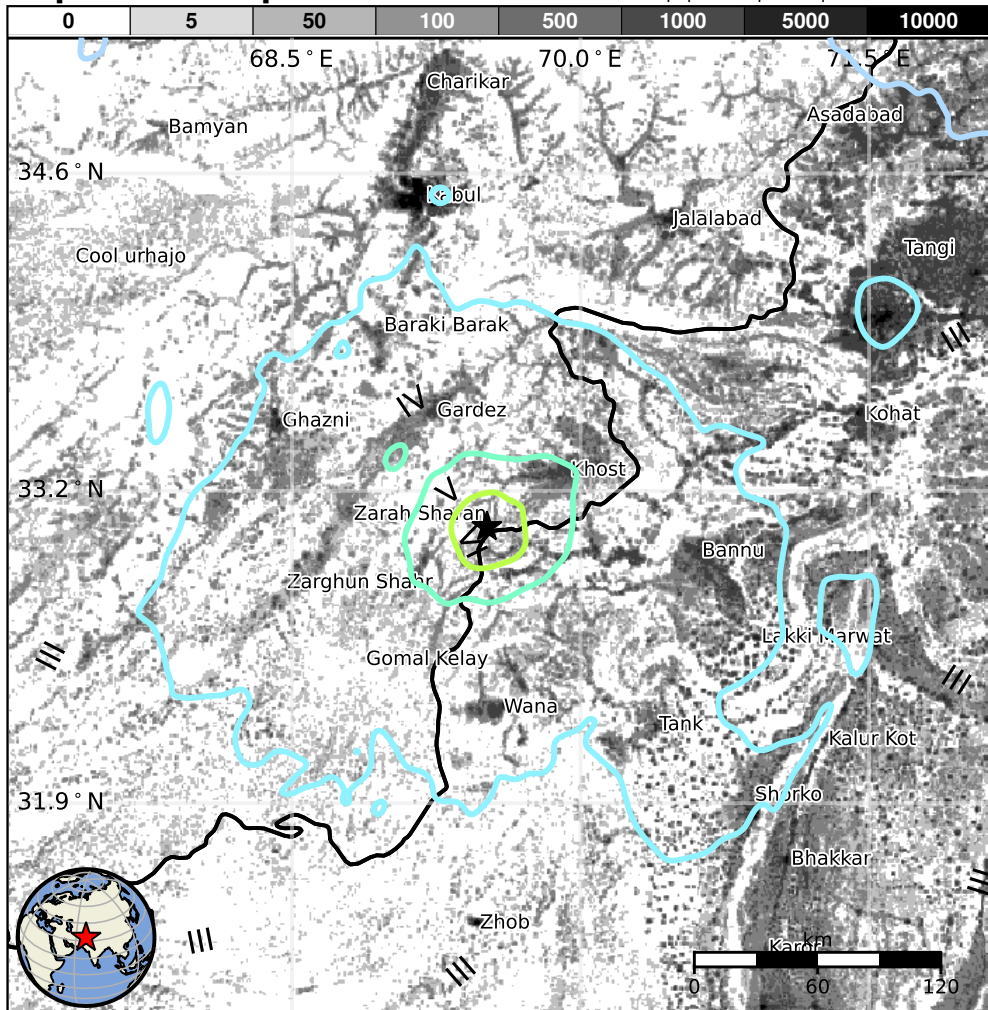


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	31,858k*	17,629k	884k	119k	7k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are extremely vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are informal (metal, timber, GI etc.) and adobe block construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-04-12	321	5.8	VII(4k)	50
1999-02-11	138	6.0	VII(3,465k)	70
1974-12-28	378	6.2	VIII(6k)	5k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Sperah	<1k
VI	Ster Giyan	<1k
VI	Zerok-Alakadari	<1k
VI	Nikeh	<1k
VI	Dwah Manday	<1k
V	Urgun	<1k
IV	Gardez	104k
IV	Ghazni	141k
IV	Peshawar	1,219k
IV	Jalalabad	200k
III	Kabul	3,044k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000hj3u#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000hj3u